



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Weeks et al.)
)
 App. No. : 10/769,549)
)
 Filed : January 30, 2004)
)
 For : APPARATUS AND METHODS FOR)
 PREVENTING ROTATIONAL)
 SLIPPAGE BETWEEN A VERTICAL)
 SHAFT AND A SUPPORT)
 STRUCTURE FOR A)
 SEMICONDUCTOR WAFER)
 HOLDER)
 Examiner : Unknown

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040

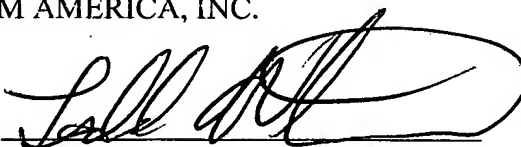
App. No. : 10/769,549
Filed : January 30, 2004

Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer No. 20,995**, and Todd Westersund, Reg. No. 45,739, ASM America, Inc., 3440 East University Drive, Phoenix, AZ 85034, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

ASM AMERICA, INC.

Dated: July 9, 2004

By: 
Todd Westersund

Title: IP Officer

Address: 3440 E. University Drive
Phoenix, AZ 85034-7200

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ASSIGNMENT

WHEREAS, We, Thomas M. Weeks, a U.S. citizen, residing at 1117 North Nielson Street, Gilbert, AZ 85234, Lewis C. Barnett, a U.S. citizen, residing at 2053 East Ellis Drive, Tempe, AZ 85282, Loren R. Jacobs, a U.S. citizen, residing at 803 West Flint Street, Chandler, AZ 85225, Eric R. Wood, a U.S. citizen, residing at 26617 South 196th Street, Queen Creek, AZ 85242, and Michael W. Halpin, a U.S. citizen, residing at 6025 East Wethersfield Road, Scottsdale, AZ 85254, have invented certain new and useful improvements in a APPARATUS AND METHODS FOR PREVENTING ROTATIONAL SLIPPAGE BETWEEN A VERTICAL SHAFT AND A SUPPORT STRUCTURE FOR A SEMICONDUCTOR WAFER HOLDER for which we have filed an application for Letters Patent in the United States, Application No. 10/769,549, filed on January 30, 2004;

AND WHEREAS, ASM AMERICA, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 3440 E. University Drive, Phoenix, AZ 85034-7200, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 3rd day of June, 2004.

Thomas M Weeks ✓
Thomas M. Weeks

Asc
Witness Signature

Application No.: 10/769,549
Filing Date: January 30, 2004

COPY
Do Not Record

PATENT
Client Code: ASMEX.397A
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand this 9th day of July, 2004 ✓

Lewis C. Barnett
Lewis C. Barnett

A.E.C.
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 21st day of APRIL, 2004

Loren R. Jacobs
Loren R. Jacobs

A.E.C.
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 16th day of June, 2004

Eric R. Wood
Eric R. Wood

A.E.C.
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 23 day of April, 2004

Michael W. Halpin
Michael W. Halpin

A.E.C.
Witness Signature

Application No.: 10/769,549
Filing Date: January 30, 2004

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PATENT
Client Code: ASMEX.397A
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____, 20__.

Lewis C. Barnett

Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 21st day of APRIL, 2004

Loren R. Jacobs ✓
Loren R. Jacobs

E.C.
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this _____ day of _____, 20__.

Eric R. Wood

Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 23 day of April, 2004 ✓

Michael W. Halpin
Michael W. Halpin

E.C.
Witness Signature

COPY
Do Not Record

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Lewis C. Barnett

Witness Signature

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Loren R. Jacobs
Loren R. Jacobs

A.E.C.
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 16th day of June, 2004 ✓

Eric R. Wood
Eric R. Wood

A.E.C.
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand this 23 day of April, 2004

Michael W. Halpin
Michael W. Halpin

A.E.C.
Witness Signature